

Form PTO-1449 (modified)

## LIST OF PRIOR ART CITED BY APPLICANT

Application No.:

~~Not Assigned~~ 09/349,752

Filing Date:

July 2, 1999

First Named Inventor:

Gary R. DelDuca

Group Art Unit:

~~Not Assigned~~ 1721

Examiner:

Not Assigned

Attorney Docket No.:

PCOS:716--2

Sheet 1 of 14

1c594 U.S. PTO  
09/346752  
07/02/99

## U.S. PATENT DOCUMENTS

Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub-Class	Filing Date (if Application)
81C	A1	1,475,396	11/27/23	Kestner	252	188.28	
81C	A2	1,679,543	08/07/28	Rector	99	181	
81C	A3	2,825,651	03/04/58	Loo et al.	99	171	
81C	A4	3,363,395	01/16/68	King	53	112	
81C	A5	3,419,400	12/31/68	Hayhurst et al.	99	171	
81C	A6	3,467,244	09/16/69	Mahaffy et al.	206	45.34	
81C	A7	3,481,100	12/02/69	Bergstrom	53	22	
81C	A8	3,545,163	12/08/70	Mahaffy et al.	53	22	
81C	A9	3,574,642	04/13/71	Weinke	99	174	
81C	A10	3,634,993	01/18/72	Pasco et al.	53	22	
81C	A11	3,650,775	03/21/72	Simon et al.	99	174	
81C	A12	3,679,093	07/25/72	Chang	220	90.2	
81C	A13	3,686,822	08/29/72	Wolfelsperger	53	22	
81C	A14	3,750,362	08/07/73	Kishpaugh et al.	53	22	
81C	A15	3,788,369	01/29/74	Killinger	141	114	
81C	A16	3,792,181	02/12/74	Mahaffy et al.	426	123	
81C	A17	3,843,806	10/22/74	Kishpaugh et al.	426	106	
81C	A18	3,851,441	12/03/74	Marchand	53	116	
81C	A19	3,903,309	09/02/75	Mahaffy et al.	426	129	
81C	A20	4,083,372	04/11/78	Boden	131	8	
81C	A21	4,127,503	11/28/78	Yoshikawa et al.	252	429	
81C	A22	4,141,487	02/27/79	Faust et al.	229	43	
81C	A23	4,166,807	09/04/79	Komatsu et al.	252	439	
81C	A24	4,192,773	03/11/80	Yoshikawa et al.	252	429	
81C	A25	4,201,030	05/06/80	Mahaffy et al.	53	432	
81C	A26	4,242,659	12/30/80	Baxter et al.	338	28	

\*Examiner: Initial if citations considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

1c584 U.S. PTO  
09/346752  
07/02/99

Form PTO-1449 (modified)	Application No.: Not Assigned
<b>LIST OF PRIOR ART CITED BY APPLICANT</b>	Filing Date: July 2, 1999
	First Named Inventor: Gary R. DelDuca
	Group Art Unit: Not Assigned
	Examiner: Not Assigned
	Attorney Docket No.: PCOS:716--2
Sheet 2 of 14	

**U.S. PATENT DOCUMENTS**

Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub-Class	Filing Date (if Application)
81C	A27	4,299,719	11/10/81	Aoki et al.	252	188	
81C	A28	4,230,595	10/28/80	Yamaji et al.	252	188	
81C	A29	4,308,711	01/05/82	Mahaffy et al.	53	511	
81C	A30	4,317,742	03/02/82	Yamaji et al.	252	188	
81C	A31	4,337,276	06/29/82	Nakamura et al.	426	124	
81C	A32	4,340,138	07/20/82	Bernherdt	206	216	
81C	A33	4,349,999	09/21/82	Mahaffy et al.	53	128	
81C	A34	4,366,179	12/28/82	Nawata et al.	426	395	
81C	A35	4,379,453	04/12/83	Baron	604	145	
81C	A36	4,384,972	05/24/83	Nakamura	252	188.21	
81C	A37	4,406,813	09/27/83	Fujishima et al.	252	188.28	
81C	A38	4,411,122	10/25/83	Cornish et al.	53	436	
81C	A39	4,411,918	10/25/83	Cimino et al.	426	124	
81C	A40	4,424,659	01/10/84	Perigo et al.	53	425	
81C	A41	4,454,945	06/19/84	Jabarin et al.	206	524.3	
81C	A42	4,510,162	04/09/85	Nezat	426	124	
81C	A43	4,517,206	05/14/85	Murphy et al.	426	115	
81C	A44	4,524,015	06/18/85	Takahashi et al.	252	188.28	
81C	A45	4,536,409	08/20/85	Farrell et al.	426	398	
81C	A46	4,543,770	10/01/85	Walter et al.	53	511	
81C	A47	4,564,054	01/14/86	Gustavsson	141	329	
81C	A48	4,574,174	03/04/86	McGonigle	219	10.55	
81C	A49	4,579,223	04/01/86	Otsuka et al.	206	204	
81C	A50	4,581,764	04/08/86	Plock et al.	383	101	
81C	A51	4,588,561	05/13/86	Aswell et al.	422	238	

\*Examiner: Initial if citations considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449 (modified)  <b>LIST OF PRIOR ART CITED BY APPLICANT</b>   Sheet 3 of 14	Application No.: Not Assigned Filing Date: July 2, 1999 First Named Inventor: Gary R. DelDuca Group Art Unit: Not Assigned Examiner: Not Assigned Attorney Docket No.: PCOS:716--2
--	---

U.S. PATENT DOCUMENTS							
Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub-Class	Filing Date (if Application)
81C	A52	4,622,229	11/11/86	Toshitsugu	426	395	
81C	A53	4,622,239	11/11/86	Schoenthaler et al.	427	96	
81C	A54	4,642,239	02/10/87	Ferrar et al.	426	396	
81C	A55	4,645,073	02/24/87	Homan	206	219	
81C	A56	4,657,610	04/14/87	Komatsu et al.	156	87	
81C	A57	4,683,139	07/28/87	Cheng	426	265	
81C	A58	4,683,702	08/04/87	Vis	53	433	
81C	A59	4,711,741	12/08/87	Fujishima et al.	252	188.28	
81C	A60	4,737,389	04/12/88	Hartsing, Jr., et al.	428	35	
81C	A61	4,740,402	04/26/88	Maeda et al.	428	35	
81C	A62	4,756,436	07/12/88	Morita et al.	215	228	
81C	A63	4,762,722	08/09/88	Izumimoto et al.	426	124	
81C	A64	4,769,175	09/06/88	Inoue	252	188.28	
81C	A65	4,820,442	04/11/89	Motoyma et al.	252	188.28	
81C	A66	4,830,855	05/16/89	Stewart	424	448	
81C	A67	4,830,863	05/16/89	Jones	426	118	
81C	A68	4,836,952	06/06/89	Nasu et al.	252	188.28	
81C	A69	4,840,271	06/20/89	Garwood	206	213.1	
81C	A70	4,877,664	10/31/89	Maeda et al.	428	35.9	
81C	A71	4,842,875	06/27/89	Anderson	426	118	
81C	A72	4,876,146	10/24/89	Isaka et al.	428	347	
81C	A73	4,897,274	01/30/90	Candida et al.	426	127	
81C	A74	4,908,151	03/13/90	Inoue et al.	252	188.28	
81C	A75	4,910,032	03/20/90	Antoon, Jr.	426	118	
81C	A76	4,923,703	05/08/90	Antoon, Jr.	426	118	

\***Examiner:** Initial if citations considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449 (modified)

## LIST OF PRIOR ART CITED BY APPLICANT

Sheet 4 of 14

Application No.: Not Assigned  
 Filing Date: July 2, 1999  
 First Named Inventor: Gary R. DelDuca  
 Group Art Unit: Not Assigned  
 Examiner: Not Assigned  
 Attorney Docket No.: PCOS:716--2

1584 U.S. PTO  
 09/346752  
 07/02/99

## U.S. PATENT DOCUMENTS

Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub-Class	Filing Date (if Application)
81C	A77	4,928,474	05/29/90	Schirmer	53	425	
81C	A78	4,942,048	07/17/90	Nasu et al.	426	271	
81C	A79	4,943,440	07/24/90	Armstrong	426	118	
81C	A80	4,949,847	08/21/90	Nagata	206	484.1	
81C	A81	4,952,451	08/28/90	Mueller	428	218	
81C	A82	4,956,209	09/11/90	Isaka et al.	428	35.2	
81C	A83	4,992,410	02/12/91	Cullen et al.	502	407	
81C	A84	4,996,068	02/26/91	Hatakeyama et al.	426	234	
81C	A85	5,019,212	05/28/91	Morita et al.	162	157.3	
81C	A86	5,021,515	06/04/91	Cochran et al.	525	371	
81C	A87	5,045,331	09/03/91	Antoon, Jr.	426	118	
81C	A88	5,049,624	09/17/91	Adams et al.	525	371	
81C	A89	5,064,698	11/12/91	Courtright et al.	428	35.4	
81C	A90	5,085,878	2 04/04/92	Hatakeyama et al.	426	107	
81C	A91	5,096,724	03/17/92	Zenner et al.	426	124	
81C	A92	5,101,611	04/07/92	Biskup et al.	53	433	
81C	A93	5,103,618	04/14/92	Garwood	53	433	
81C	A94	5,108,649	04/28/92	Matsumoto et al.	252	188.28	
81C	A95	5,110,677	05/05/92	Barmore et al.	428	349	
81C	A96	5,112,674	05/12/92	German et al.	428	216	
81C	A97	5,115,624	05/26/92	Garwood	53	427	
81C	A98	5,116,660	05/26/92	Komatsu et al.	428	192	
81C	A99	5,120,349	06/09/92	Stewart et al.	71	93	
81C	A100	5,120,585	06/09/92	Sutter et al.	428	34.2	
81C	A101	5,124,164	06/23/92	Matsumoto et al.	426	398	

\*Examiner: Initial if citations considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449 (modified)

## LIST OF PRIOR ART CITED BY APPLICANT

Sheet 5 of 14

Application No.: Not Assigned  
 Filing Date: July 2, 1999  
 First Named Inventor: Gary R. DelDuca  
 Group Art Unit: Not Assigned  
 Examiner: Not Assigned  
 Attorney Docket No.: PCOS:716--2

1c584 U.S. PTO  
 09/14/99  
 07/02/99

## U.S. PATENT DOCUMENTS

Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub-Class	Filing Date (if Application)
81C	A102	5,128,060	07/07/92	Ueno et al.	252	184	
81C	A103	5,129,512	07/14/92	Garwood	206	213.1	
81C	A104	5,132,151	07/21/92	Graney	428	40	
81C	A105	5,135,787	08/04/92	Bair	428	36.1	
81C	A106	5,139,702	08/18/92	Carter et al.	252	392	
81C	A107	5,143,763	09/01/92	Yamada et al.	428	36.2	
81C	A108	5,143,769	09/01/92	Moriya et al.	428	76	
81C	A109	5,145,950	09/08/92	Funaki et al.	528	481	
81C	A110	5,151,331	09/29/92	Beeson et al.	428	475.5	
81C	A111	5,153,038	10/06/92	Koyama et al.	428	35.8	
81C	A112	5,155,974	10/20/92	Garwood	53	510	
81C	A113	5,158,537	10/27/92	Haak et al.	604	20	
81C	A114	5,171,593	12/15/92	Doyle	426	106	
81C	A115	5,176,849	01/05/93	Hwa et al.	252	392	
81C	A116	5,176,930	01/05/93	Kannankeril et al.	426	124	
81C	A117	5,183,573	02/02/93	Kreh et al.	210	697	
81C	A118	5,183,574	02/02/93	Hwa et al.	210	701	
81C	A119	5,183,848	02/02/93	Samuel et al.	525	57	
81C	A120	5,186,991	02/16/93	Samuel et al.	428	35.8	
81C	A121	5,194,315	03/16/93	Itoh	428	178	
81C	A122	5,202,052	04/13/93	Zenner et al.	252	188.28	
81C	A123	5,204,389	04/20/93	Hofeldt et al.	524	72	
81C	A124	5,207,943	05/04/93	Cullen et al.	252	188.28	
81C	A125	5,211,875	05/18/93	Speer et al.	252	188.28	
81C	A126	5,223,146	06/29/93	Kreh	210	698	

\***Examiner:** Initial if citations considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449 (modified)

## LIST OF PRIOR ART CITED BY APPLICANT

Sheet 6 of 14

Application No.: Not Assigned  
 Filing Date: July 2, 1999  
 First Named Inventor: Gary R. DelDuca  
 Group Art Unit: Not Assigned  
 Examiner: Not Assigned  
 Attorney Docket No.: PCOS:716--2

1c584 U.S. PTO  
 09/846752  
 07/02/99

## U.S. PATENT DOCUMENTS

Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub-Class	Filing Date (if Application)
81C	A127	5,226,531	07/13/93	Garwood	206	213.1	
81C	A128	5,226,735	07/13/93	Beliveau	383	103	
81C	A129	5,227,411	07/13/93	Hofeldt et al.	523	100	
81C	A130	5,236,617	08/17/93	Ueno et al.	252	188.28	
81C	A131	5,239,016	08/24/93	Cochran et al.	525	371	
81C	A132	5,242,111	09/07/93	Nakoneczny et al.	239	47	
81C	A133	5,241,149	08/31/93	Watanabe et al.	219	10.55E	
81C	A134	5,244,600	09/14/93	Cuisia et al.	252	396	
81C	A135	5,247,746	09/28/93	Johnson et al.	53	432	
81C	A136	5,250,310	10/05/93	Fujino et al.	426	124	
81C	A137	5,254,354	10/19/93	Stewart	426	106	
81C	A138	5,258,537	11/02/93	Takeuchi et al.	556	467	
81C	A139	5,262,375	11/16/93	McKedy	502	406	
81C	A140	5,270,337	12/14/93	Graf	514	499	
81C	A141	5,284,871	02/08/94	Graf	514	499	
81C	A142	5,286,407	02/15/94	Inoue et al.	252	188.28	
81C	A143	5,288,907	02/22/94	Sherwin et al.	564	301	
81C	A144	5,290,268	03/01/94	Oliver et al.	604	359	
81C	A145	5,296,291	03/22/94	Mueller	428	349	
81C	A146	5,310,497	05/10/94	Ve Speer et al.	252	188.28	
81C	A147	5,320,598	06/14/94	Haak et al.	604	20	
81C	A148	5,322,701	06/21/94	Cullen et al.	426	124	
81C	A149	5,323,590	06/28/94	Garwood	53	433	
81C	A150	5,332,590	07/26/94	McKedy	426	398	
81C	A151	5,334,405	08/02/94	Gorlich	426	396	

\*Examiner: Initial if citations considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449 (modified)

## LIST OF PRIOR ART CITED BY APPLICANT

Sheet 7 of 14

Application No.: Not Assigned  
 Filing Date: July 2, 1999  
 First Named Inventor: Gary R. DelDuca  
 Group Art Unit: Not Assigned  
 Examiner: Not Assigned  
 Attorney Docket No.: PCOS:716--2

1c584 U.S. PTO  
 09/346752  
 07/02/99

## U.S. PATENT DOCUMENTS

Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub-Class	Filing Date (if Application)
SLC	A152	5,346,312	09/13/94	Mabry et al.	383	113	
SLC	A153	5,346,644	09/13/94	Speer et al.	252	188.28	
SLC	A154	5,348,752	09/20/94	Gorlich	426	129	
SLC	A155	5,350,622	09/27/94	Speer et al.	428	215	
SLC	A156	5,362,531	11/08/94	Samuel et al.	428	36.6	
SLC	A157	5,364,555	11/15/94	Zenner et al.	252	188.28	
SLC	A158	5,364,669	11/15/94	Sumida et al.	428	1	
SLC	A159	5,378,428	01/03/95	Inoue et al.	422	9	
SLC	A160	5,390,475	02/21/95	Iwauchi et al.	53	474	
SLC	A161	5,399,289	03/21/95	Speer et al.	252	188.28	
SLC	A162	5,418,112	05/23/95	Mirle et al.	430	269	
SLC	A163	5,422,366	06/06/95	Mintzis et al.	514	474	
SLC	A164	5,425,896	06/20/95	Speer et al.	252	188.28	
SLC	A165	5,430,098	07/04/95	Samuel et al.	525	57	
SLC	A166	5,443,727	08/22/95	Gagnon	210	490	
SLC	A167	5,445,607	08/29/95	Venkateshwaran et al.	604	20	
SLC	A168	5,491,019	02/13/96	Kuo	428	213	
SLC	A169	5,492,705	02/20/96	Porchia et al.	426	106	
SLC	A170	5,492,742	02/20/96	Zenner et al.	428	35.2	
SLC	A171	5,498,364	03/12/96	Speer et al.	252	188.28	
SLC	A172	5,529,833	06/25/96	Speer et al.	428	215	
SLC	A173	5,510,166	04/23/96	Inoue et al.	428	76	
SLC	A174	5,580,573	12/03/96	Kydonieus et al.	424	449	
SLC	A175	5,585,129	12/17/96	Geddes et al.	426	394	
SLC	A176	5,631,036	05/20/97	Davis	426	396	

\***Examiner:** Initial if citations considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449 (modified)

## LIST OF PRIOR ART CITED BY APPLICANT

Sheet 8 of 14

Application No.: Not Assigned  
 Filing Date: July 2, 1999  
 First Named Inventor: Gary R. DelDuca  
 Group Art Unit: Not Assigned  
 Examiner: Not Assigned  
 Attorney Docket No.: PCOS:716--2



## U.S. PATENT DOCUMENTS

Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub-Class	Filing Date (if Application)
SLC	A177	5,638,660	06/17/97	Kuo	53	449	
SLC	A178	5,639,815	06/17/97	Cochran et al.	524	413	
SLC	A179	5,643,625	07/01/97	Perry et al.	426	395	
SLC	A180	5,648,020	07/15/97	Speer et al.	252	188.28	
SLC	A181	5,660,761	08/26/97	Katsumoto et al.	252	188.28	
SLC	A182	5,665,822	09/09/97	Bitler et al.	525	92C	
SLC	A183	5,667,863	09/16/97	Cullen et al.	428	68	
SLC	A184	5,672,406	09/30/97	Challis et al.	428	136	
SLC	A185	5,686,126	11/11/97	Noel et al.	426	127	
SLC	A186	5,686,127	11/11/97	Stockley, III, et al.	426	129	
SLC	A187	5,700,554	12/23/97	Speer et al.	428	220	
SLC	A188	5,711,978	01/27/98	Breen et al.	426	129	

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Ref.	Document Number	Date	Country	Class	Sub-Class	Translation Yes/No
SLC	B1	EP 457457	04/30/91	EPO	5		yes
SLC	B2	JP 06343815	12/20/94	Japan			NO
SLC	B3	JP 06278774	10/04/94	Japan			NO
SLC	B4	WO 92/4298	06/12/92	PCT WO	B65B	A23L	
SLC	B5	GB 1 556 853	11/28/79	U.K.	B01D	53/14	YES

## OTHER DOCUMENTS (including author, title, date, pertinent pages, etc.)

Examiner Initial	Ref.	Document Information
SLC	C1	Gill, C. O., et al., "The Use Of Oxygen Scavengers To Prevent Transient Discolouration Of Ground Beef Packaged Under Controlled, Oxygen-Depleted Atmospheres," <i>Meat Science</i> , Volume 41, No. 1, pp. 19-27 (1995)
SLC	C2	Gill, C. O., "Extending The Storage Life Of Raw Chilled Meats," <i>Elsevier Science Ltd.</i> , pp. S99-S109 (1990)

\***Examiner:** Initial if citations considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



Form PTO-1449 (modified)  <b>LIST OF PRIOR ART CITED BY APPLICANT</b>   Sheet 9 of 14		Application No.: Not Assigned Filing Date: July 2, 1999 First Named Inventor: Gary R. DelDuca Group Art Unit: Not Assigned Examiner: Not Assigned Attorney Docket No.: PCOS:716--2
--	--	---

1c504 U.S. PTO  
 09/346752  
 07/02/99

OTHER DOCUMENTS (including author, title, date, pertinent pages, etc.)		
Examiner Initial	Ref.	Document Information
810	C3	Labell, Fran, "Controlled And Modified Atmosphere Packaging – Methods For Extending Shelf Life Of A Variety Of Food Products," <i>Food Processing</i> , pp. 152-54 (January 1995)
810	C4	Leward, D.A., "Metmyoglobin Formation In Beef Stored In Carbon Dioxide Enriched And Oxygen Depleted Atmospheres," <i>Journal of Food Science</i> , Volume 35, pp. 33-37 (1970)
810	C5	Muller, Nancy J., "Longer Product Shelf Life Using Modified Atmosphere Packaging," <i>The National Provisioner</i> , pp. 19-23 (February 1986)
810	C6	Abstract No. 84:72833 CA
810	C7	Abstract No. 86:87906 CA
810	C8	Abstract No. 86:187942 CA
810	C9	Abstract No. 90:202465 CA
810	C10	Abstract No. 94:177380 CA
810	C11	Abstract No. 82:137914 CA
810	C12	Abstract No. 99:120969 CA
810	C13	Abstract No. 98:73550 CA
810	C14	Abstract No. 119:272963 CA
810	C15	Abstract No. 113:232991 CA
810	C16	Abstract No. 113:189998 CA
810	C17	Abstract No. 121:150818 CA
810	C18	Abstract No. 115:234163 CA
810	C19	Abstract No. 97:125982 CA
810	C20	Abstract No. 90:202475 CA
810	C21	Abstract No. 90:202474 CA
810	C22	Abstract No. 92:162415 CA
810	C23	Abstract No. 92:162419 CA
810	C24	Abstract No. 88:36115 CA
810	C25	Abstract No. 88:20816 CA

\***Examiner:** Initial if citations considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449 (modified)

**LIST OF PRIOR ART CITED BY APPLICANT**

Sheet 10 of 14

Application No.: Not Assigned

Filing Date: July 2, 1999

First Named Inventor: Gary R. DelDuca

Group Art Unit: Not Assigned

Examiner: Not Assigned

Attorney Docket No.: PCOS:716--2

1c584 U.S. PTO

09/346752

**OTHER DOCUMENTS (including author, title, date, pertinent pages, etc.)**

Examiner Initial	Ref.	Document Information
SIC	C26	Abstract No. 88:20812 CA
SIC	C27	Abstract No. 88:20813 CA
SIC	C28	Abstract No. 88:20814 CA
SIC	C29	Abstract No. 88:20807 CA
SIC	C30	Abstract No. 88:20808 CA
SIC	C31	Abstract No. 93:44408 CA
SIC	C32	Abstract No. 92:162423 CA
SIC	C33	Abstract No. 92:162424 CA
SIC	C34	Abstract No. 92:162422 CA
SIC	C35	Abstract No. 92:162421 CA
SIC	C36	Abstract No. 92:162420 CA
SIC	C37	Abstract No. 88:135035 CA
SIC	C38	Abstract No. 88:135039 CA
SIC	C39	Abstract No. 120:162007 CA
SIC	C40	Abstract No. 95:40919 CA
SIC	C41	Abstract No. 96:102621 CA
SIC	C42	Abstract No. 101:37293 CA
SIC	C43	Abstract No. 97:24981 CA
SIC	C44	Abstract No. 103:70114 CA
SIC	C45	Abstract No. 114:159181 CA
SIC	C46	Abstract No. 121:106915 CA
SIC	C47	Abstract No. 122:8480 CA
SIC	C48	Abstract No. 94:31753 CA
SIC	C49	Abstract No. 109:229141 CA
SIC	C50	Abstract No. 121:302240 CA

**\*Examiner:** Initial if citations considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449 (modified)

## LIST OF PRIOR ART CITED BY APPLICANT

Sheet 11 of 14

Application No.: Not Assigned  
 Filing Date: July 2, 1999  
 First Named Inventor: Gary R. DelDuca  
 Group Art Unit: Not Assigned  
 Examiner: Not Assigned  
 Attorney Docket No.: PCOS:716--2

1c584 U.S. PTO  
 09/346752  
 07/02/99

## OTHER DOCUMENTS (including author, title, date, pertinent pages, etc.)

Examiner Initial	Ref.	Document Information
SLC	C51	Abstract No. 116:135950 CA
SLC	C52	Abstract No. 116:213870 CA
SLC	C53	Abstract No. 119:93984 CA
SLC	C54	Abstract No. 114:37856 CA
SLC	C55	Abstract No. 116:82513 CA
SLC	C56	Abstract No. 88:36119 CA
SLC	C57	Abstract No. 115:10409 CA
SLC	C58	Abstract No. 117:252831 CA
SLC	C59	Abstract No. 92:56886 CA
SLC	C60	Abstract No. 90:101969 CA
SLC	C61	Abstract No. 122:54216 CA
SLC	C62	Abstract No. 106:48956 CA
SLC	C63	Abstract No. 89:128079 CA
SLC	C64	Abstract No. 90:202468 CA
SLC	C65	Abstract No. 98:162097 CA
SLC	C66	Abstract No. 106:83270 CA
SLC	C67	Abstract No. 114:60693 CA
SLC	C68	Abstract No. 88:36110 CA
SLC	C69	Abstract No. 88:36112 CA
SLC	C70	Abstract No. 87:199474 CA
SLC	C71	Abstract No. 89:89110 CA
SLC	C72	Abstract No. 91:18612 CA
SLC	C73	Abstract No. 89:145374 CA
SLC	C74	Abstract No. 90:37838 CA
SLC	C75	Abstract No. 91:37778 CA

\*Examiner: Initial if citations considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449 (modified)

**LIST OF PRIOR ART CITED BY APPLICANT**

Sheet 12 of 14

Application No.: Not Assigned  
 Filing Date: July 2, 1999  
 First Named Inventor: Gary R. DelDuca  
 Group Art Unit: Not Assigned  
 Examiner: Not Assigned  
 Attorney Docket No.: PCOS:716--2

15594 U.S. PTO  
 09/30/99  
 07/03/99

**OTHER DOCUMENTS (including author, title, date, pertinent pages, etc.)**

Examiner Initial	Ref.	Document Information
SLC	C76	Abstract No. 91:18615 CA
SLC	C77	Abstract No. 91:156319 CA
SLC	C78	Abstract No. 93:24803 CA
SLC	C79	Abstract No. 93:44367 CA
SLC	C80	Abstract No. 93:93837 CA
SLC	C81	Abstract No. 97:71152 CA
SLC	C82	Abstract No. 102:114740 CA
SLC	C83	Abstract No. 113:4951 CA
SLC	C84	Abstract No. 117:149868 CA
SLC	C85	Abstract No. 114:120487 CA
SLC	C86	Abstract No. 123:117300 CA
SLC	C87	Abstract No. 120:132783 CA
SLC	C88	Abstract No. 96:161139 CA
SLC	C89	Abstract No. 88:35888 CA
SLC	C90	Abstract No. 121:11294 CA
SLC	C91	Abstract No. 119:206378 CA
SLC	C92	Abstract No. 104:150081 CA
SLC	C93	Abstract No. 111:231023 CA
SLC	C94	Abstract No. 112:200253 CA
SLC	C95	Abstract No. 119:195629 CA
SLC	C96	Abstract No. 119:199523 CA
SLC	C97	Abstract No. 118:19132 CA
SLC	C98	Abstract No. 102:74246 CA
SLC	C99	Abstract No. 119:208661 CA
SLC	C100	Abstract No. 115:70144 CA

**\*Examiner:** Initial if citations considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

1c584 U.S. PTO  
09/30/99  
07/02/99

Form PTO-1449 (modified)	Application No.: Not Assigned
<b>LIST OF PRIOR ART CITED BY APPLICANT</b>	Filing Date: July 2, 1999
	First Named Inventor: Gary R. DelDuca
	Group Art Unit: Not Assigned
	Examiner: Not Assigned
	Attorney Docket No.: PCOS:716--2
Sheet 13 of 14	

OTHER DOCUMENTS (including author, title, date, pertinent pages, etc.)		
Examiner Initial	Ref.	Document Information
SLC	C101	Abstract No. 88:138618 CA
SLC	C102	Abstract No. 102:50897 CA
SLC	C103	Abstract No. 104:184989 CA
SLC	C104	Abstract No. 92:162414 CA
SLC	C105	Abstract No. 92:162418 CA
SLC	C106	Abstract No. 93:24783 CA
SLC	C107	Abstract No. 92:179358 CA
SLC	C108	Abstract No. 113:130909 CA
SLC	C109	Abstract No. 114:205791 CA
SLC	C110	Abstract No. 122:159237 CA
SLC	C111	Abstract No. 122:217607 CA
SLC	C112	Abstract No. 122:216062 CA
SLC	C113	Abstract No. 114:162789 CA
SLC	C114	Abstract No. 117:250329 CA
SLC	C115	Abstract No. 95:202299 CA
SLC	C116	Abstract No. 95:131188 CA
SLC	C117	Abstract No. 93:44362 CA
SLC	C118	Abstract No. 91:209670 CA
SLC	C119	Abstract No. 91:54914 CA
SLC	C120	Abstract No. 91:37783 CA
SLC	C121	Abstract No. 91:92660 CA
SLC	C122	Abstract No. 90:37839 CA
SLC	C123	Abstract No. 98:15724 CA
SLC	C124	Abstract No. 98:15725 CA
SLC	C125	Abstract No. 97:71153 CA

\*Examiner: Initial if citations considered, whether or not citation is in conformation with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449 (modified)	Application No.:	Not Assigned
<b>LIST OF PRIOR ART CITED BY APPLICANT</b>	Filing Date:	July 2, 1999
	First Named Inventor:	Gary R. DelDuca
	Group Art Unit:	Not Assigned
	Examiner:	Not Assigned
	Attorney Docket No.:	PCOS:716--2
Sheet 14 of 14		

OTHER DOCUMENTS (including author, title, date, pertinent pages, etc.)		
Examiner Initial	Ref.	Document Information
SIC	C126	Abstract No. 93:112563 CA
	C127	Abstract No. 121:81494 CA
	C128	Abstract No. 2681558 IFIPAT
	C129	Abstract No. 122:11836 CA
	C130	Abstract No. 118:214320 CA
	C131	Abstract No. 118:170560 CA
	C132	Abstract No. 105:189533 CA
	C133	Abstract No. 116:85409 CA
	C134	Abstract No. 88:168561 CA
	C135	Abstract No. 117:51733 CA
	C136	Abstract No. 118:16068 CA
	C137	Abstract No. 121:117332 CA
	C138	Abstract No. 93:237305 CA
	C139	Abstract No. 93:237306 CA
	C140	Abstract No. 122:104527 CA
	C141	Abstract No. 117:51734 CA
	C142	Abstract No. 116:195864 CA
	C143	Abstract No. 98:124507 CA
	C144	Abstract No. 122:79435 CA
	C145	Abstract No. 95:95814 CA
	C146	Abstract No. 91:139162 CA
	C147	Abstract No. 90:202476 CA
	C148	Abstract No. 120:109182 CA
SIC	C149	Abstract No. 119:205054 CA
EXAMINER <i>Cross La Torre</i>		DATE CONSIDERED <i>12-3-99</i>

\*Examiner: Initial if citations considered, whether or not citation is in conformation with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.